

IN THE SPECIFICATION

Please make the following changes to the specification.

Please replace the paragraph beginning on page 4, line 22 as shown below.

a1 According to another aspect of the invention, a method for designing software is provided which involves object-oriented software objects, the method comprising defining a design matrix describing a relation between a plurality of functional requirements of the software system and design parameters; representing at least one object-oriented object by at least one of the functional requirements; representing data used by the at least one object-oriented software object by at least one of the design parameters; and representing a method of the at least one object-oriented software object by a product of a portion of the design matrix [[an]] and the at least one design parameter. According to another embodiment of the invention, the method further comprises defining a plurality of functional requirements and constraints of the software system. According to another embodiment of the invention, the method further comprises a step of decomposing at least one functional requirement into leaf elements. According to another embodiment of the invention, the method further comprises a step of decomposing at least one design parameter into leaf elements. According to another embodiment of the invention, the method further comprises a step of decomposing at least one process variable into leaf elements.